

CLAIMS

1. A solid support comprising a carbon layer on a surface thereof, and wherein after substances contained in a specimen are separated by gel electrophoresis, the substances are immobilized on the solid support by transfer of the substances separated in the gel.
2. A solid support comprising a carbon layer on a surface thereof, and wherein after substances contained in a specimen are separated through gel electrophoresis, the substances are immobilized on the solid support by transferring the substances separated in the gel to a membrane and further transferring the substances transferred to the membrane.
3. A solid support, in which composites are formed by adding further substances, which interact with the substances immobilized on the solid support according to claim 1 or 2, to the substances.
4. The solid support according to any one of claims 1 to 3, wherein the carbon layer comprises a diamond like carbon layer.
5. The solid support according to any one of claims 1 to 4, wherein the carbon layer has a thickness of a monomolecular layer to 100 μm .
6. The solid support according to any one of claims 1 to 5, wherein the surface of the carbon layer is activated through

chemical modification.

7. The solid support according to any one of claims 1 to 6, wherein the immobilized substances comprise nucleic acids or peptides.

8. A method for mass spectrometry through desorption/ionization of multiple substances or composites immobilized on the solid support according to any one of claims 1 to 7.

9. A solid support comprising a carbon layer on a surface thereof, and for use in the method according to claim 8.